

**WEST****End of Result Set**☐ Generate Collection

L6: Entry 3 of 3

File: DWPI

Mar 16, 1999

DERWENT-ACC-NO: 1999-190401

DERWENT-WEEK: 199930

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Composite article comprising pesticide in packaging material - used to protect against fungi and insects

INVENTOR: BARMORE, C R; COOK, L E ; LUDWID, C J ; LUTHRA, N P ; PRESSLEY, W W

PRIORITY-DATA: 1997US-0056843 (August 22, 1997)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 9892014 A	March 16, 1999		000	A01N025/34
WO 9909824 A1	March 4, 1999	E	037	A01N025/34

INT-CL (IPC): A01N 25/34; A01N 37/18; A01N 65/00; A01N 25/34; A01N 65/00; A01N 25/34; A01N 37/18

ABSTRACTED-PUB-NO: WO 9909824A

## BASIC-ABSTRACT:

NOVELTY - Composite article comprises a packaging material and positioned on or incorporated in the packaging material, a pesticide comprising an essential oil or at least one pesticidally active component of an essential oil. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (a) a package comprising a product and the composite article which completely surrounds the product and (b) a method of making a protective film which comprises extruding the film from a mixture comprising at least one resin and a pesticide comprising an essential oil or at least one pesticidally active component of an essential oil.

USE - The composite article protects against many types of fungi and insects in the packaging and food processing industries. Types of fungi against which certain essential oils are active include mildews, rusts, dollar spots, brown patch, black spots and botrytis and types of insects against which the essential oils are active include Indian meal moths, mealy bugs, mites, fleas, roaches, weevils, aphids and certain beetles and flies. ACTIVITY - Pesticide. MECHANISM OF ACTION - None given.

ADVANTAGE - Because of the unique characteristics of essential

ADVANTAGE - Because of the unique characteristics of essential oils, the composite article can be tailored to exhibit repellent, biocidal and/or anti-feedant characteristics. Essential oils such as neem oil can be incorporated into packaging materials without changing the performance, feel, odour or appearance of those materials. Many essential oils are not known to harm beneficial insects such as bees.

**WEST**☐ Generate Collection

L9: Entry 5 of 6

File: DWPI

Apr 7, 1982

DERWENT-ACC-NO: 1982-29043E

DERWENT-WEEK: 198215

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Phenylethyl alkyl ether derivs. - useful as pheromone(s) and ecto-hormones for beetles, insecticides and fragrances for cosmetics etc.

INVENTOR: KIWALA, J; SCHMITT, F L ; SPRECKER, M A ; TOKARZEWSK, R J

PRIORITY-DATA: 1981US-0238750 (February 27, 1981),  
1980US-0192238 (September 30, 1980), 1981US-0235844 (February 19, 1981)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 49120 A	April 7, 1982	E	106	
DE 3168340 G	February 28, 1985		000	
EP 49120 B	January 16, 1985	E	000	
JP 57088138 A	June 1, 1982		000	
JP 83038412 B	August 23, 1983		000	
US 4324923 A	April 13, 1982		000	
US 4328206 A	May 4, 1982		000	
US 4343791 A	August 10, 1982		000	
US 4357319 A	November 2, 1982		000	
US 4362657 A	December 7, 1982		000	
US 4371715 A	February 1, 1983		000	
US 4374746 A	February 22, 1983		000	

INT-CL (IPC): A01N 17/14; A01N 25/00; A01N 29/04; A01N 31/00; A01N 45/00; A23L 1/22; A24B 3/12; A24B 15/18; A61K 7/46; C07C 41/06; C07C 43/16; C11B 9/00; C11D 3/50; C11D 9/44

ABSTRACTED-PUB-NO: EP 49120A

## BASIC-ABSTRACT:

Phenylethyl alkyl ether derivs. of formula (I) are new. (R1-R4 are H or Me; and R5 is 3-5C S-alkyl, 4C alkenyl, cyclohexyl or 4-methylcyclohexyl. When one of R2-R4 is Me, then the other two are H). (I) are pheromones and ectohormones for beetles of the order Lasioderma serricorne (F.) and also act as insecticides. They are also fragrances for augmenting or

enhancing the fragrance of perfume compsns., colognes, perfumed articles (esp. detergents, fabric softeners, drier-added fabric softener articles, hair conditioners, deodourants, cosmetic powders), smoking tobaccos etc. For such uses adjuvants such as essential oils may be used with (I). Cpds. (I; R5 is 3-methylcyclohexyl) are also useful as fragrances and enhancers.

Specifically claimed is (I) in which R3 and R4 are H, R5 is cyclohexyl and either R1 is H and R2 is Me or R1 is Me and R2 is H.

ABSTRACTED-PUB-NO:

EP 49120B EQUIVALENT-ABSTRACTS:

Phenylethyl alkyl ether derivs. of formula (I) are new. (R1-R4 are H or Me; and R5 is 3-5C S-alkyl, 4C alkenyl, cyclohexyl or 4-methylcyclohexyl. When one of R2-R4 is Me, then the other two are H). (I) are pheromones and ectohormones for beetles of the order Lasioderma serricorne (F.) and also act as insecticides. They are also fragrances for augmenting or enhancing the fragrance of perfume compsns., colognes, perfumed articles (esp. detergents, fabric softeners, drier-added fabric softener articles, hair conditioners, deodourants, cosmetic powders), smoking tobaccos etc. For such uses adjuvants such as essential oils may be used with (I). Cpds. (I; R5 is 3-methylcyclohexyl) are also useful as fragrances and enhancers.

Specifically claimed is (I) in which R3 and R4 are H, R5 is cyclohexyl and either R1 is H and R2 is Me or R1 is Me and R2 is H. (106pp)

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:630164 CAPLUS

DOCUMENT NUMBER: 123:27820

TITLE: Plant growth enhancement

INVENTOR(S): Sato, Tosha; Hata, Hamako; Ishii, Hiroshi; Watanabe, Sadamoto

PATENT ASSIGNEE(S): Takasago Perfumery Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 07087845	A2	19950404	JP 1993-257536	19930922 <--
AB	One or more compd. selected from the group comprising eugenol, .beta.-caryophyllene, geranyl acetate, citroneol, .alpha.-pinene, cis-3-hexenol, isoeugenol, linalool, linalool oxide, phenethyl alc., benzyl alc., geraniol, benzyl acetate, etc., are plant growth enhancing agents at 1-1000 ppm in the vapor concns. are found effective in culturing vegetables such as radish, kidney beans, and lettuce.			

L16 ANSWER 12 OF 16 USPATFULL

ACCESSION NUMBER: 84:21544 USPATFULL

TITLE: Pesticidal phenylthionophosphonic acid esters

INVENTOR(S): Ishikawa, Hiromichi, Atsugi, Japan

Kitaori, Kazuhiko, Atsugi, Japan

Moriyama, Satoru, Hatano, Japan

Chono, Tadashi, Atsugi, Japan

Uchiyama, Tsugio, Atsugi, Japan

PATENT ASSIGNEE(S): Hokko Chemical Industry Co., Ltd., Tokyo, Japan  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4443439		19840417
APPLICATION INFO.:	US 1982-412004		19820827 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1981-138322	19810904
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Sutto, Anton H.	
LEGAL REPRESENTATIVE:	Larson and Taylor	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1,3	
LINE COUNT:	996	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB New phenylthionophosphonic acid O,O-di-esters of the general formula:  
##STR1## wherein R.sub.1 denotes a lower alkyl group; R.sub.2 denotes a  
hydrogen atom, a lower alkyl group or an unsaturated lower alkyl group;  
and R.sub.3 denotes a lower alkyl group or an unsaturated lower alkyl  
group are provided, which have high insecticidal, miticidal and  
nematocidal activities and are useful as pesticidal agents to be  
applied

to insect, acarine and/or nematode pests.

SUMM . . . pests which may be combatted with the new compounds of this  
invention include: Coleoptera insect pests such as azuki bean

**weevil** (Callosobruchus chinensis), **maize**

**weevil** (Sitophilus zeamais), red flour beetle (Tribolium  
castaneum), twenty-eight-spotted ladybird (Henosepilachna  
vigintioctopunctata) and barley wireworm (Agriotes fuscicollis);  
Lepidopterous insect pests such. . .

SUMM The **pesticidal** (insecticidal, miticidal and  
nematocidal) composition of this invention may be prepared by  
formulating a new compound of general formula (I) into. . . waxes.  
The liquid carriers available include, for example, water; alcohols

such

as methanol, ethanol, n-propanol, isopropanol, butanol, ethylene glycol  
and **benzyl alcohol**; aromatic hydrocarbons such as  
benzene, toluene, xylene, ethylbenzene and methylnaphthalene;  
halogenated hydrocarbons such as chloroform, carbon tetrachloride,